

FIG. 1

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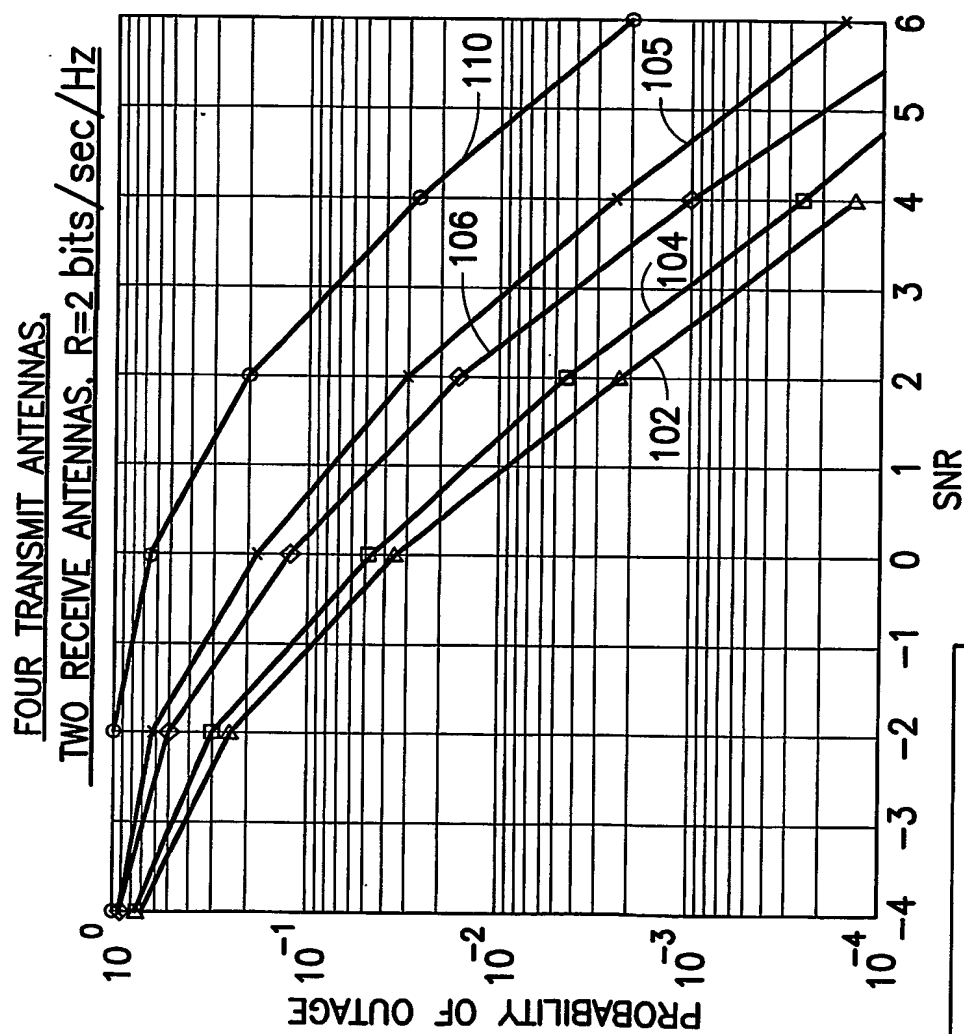
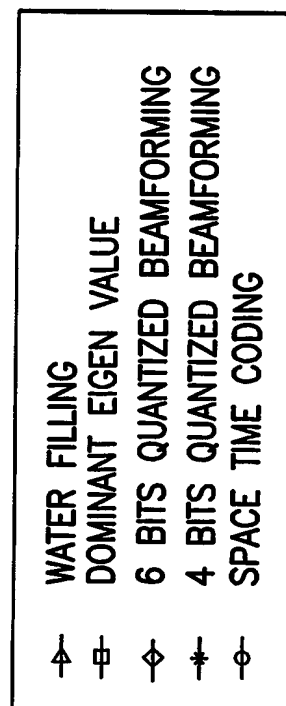


FIG. 2



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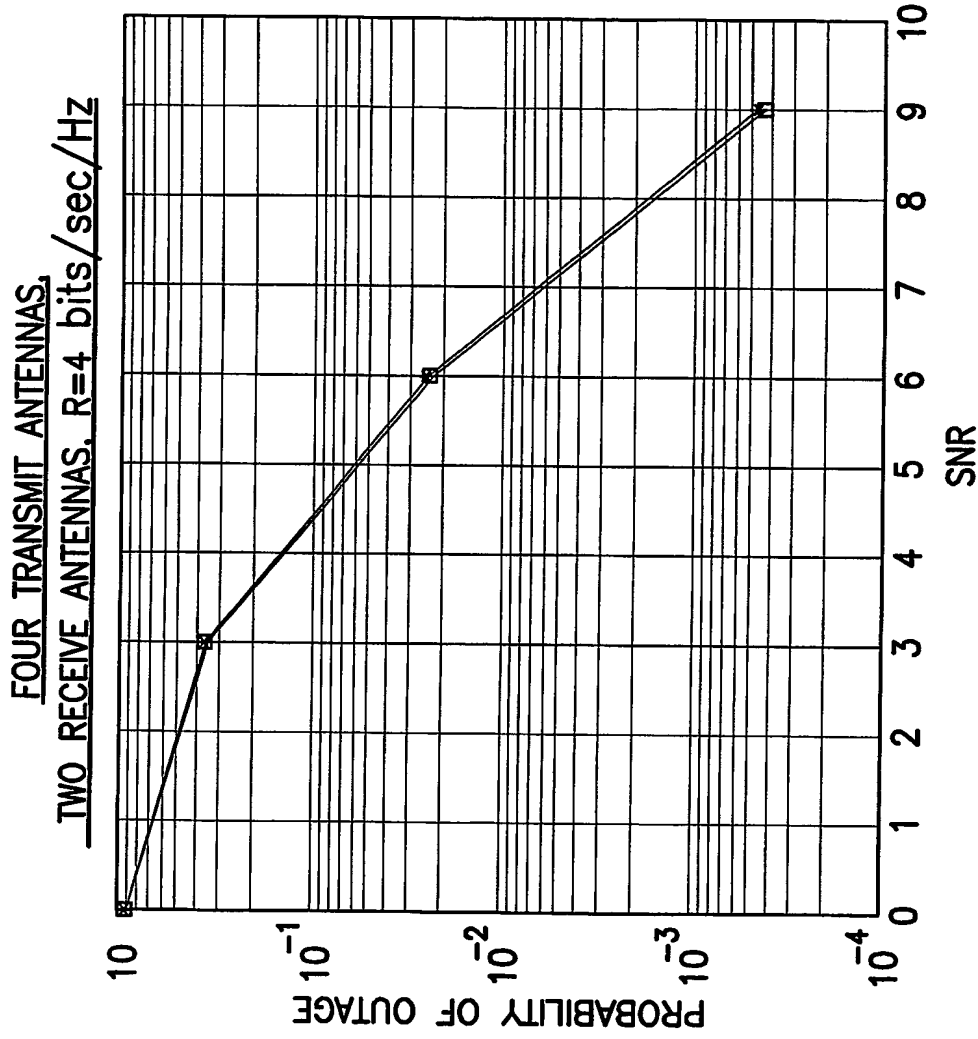


FIG.3

-□- SPATIAL WATER-FILLING WITH PERFECT CSIT  
 -\*- POWER ALLOCATION QUANTIZED TO 2 BITS

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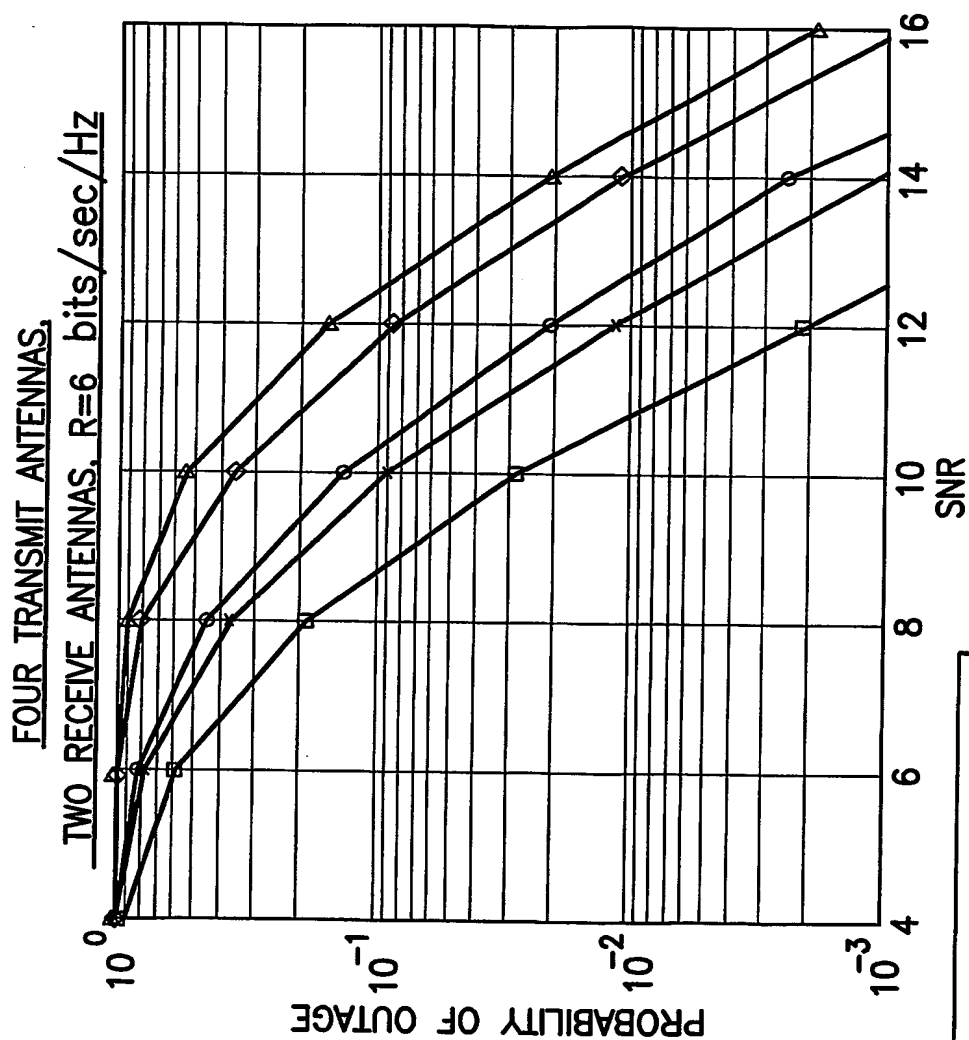


FIG. 4

- WATER-FILLING
- \* QUANTIZED WATER-FILLING 10 FEEDBACK BITS
- QUANTIZED WATER-FILLING 8 FEEDBACK BITS
- ◇ SPACE TIME CODING
- △ DOMINANT EIGENVECTOR

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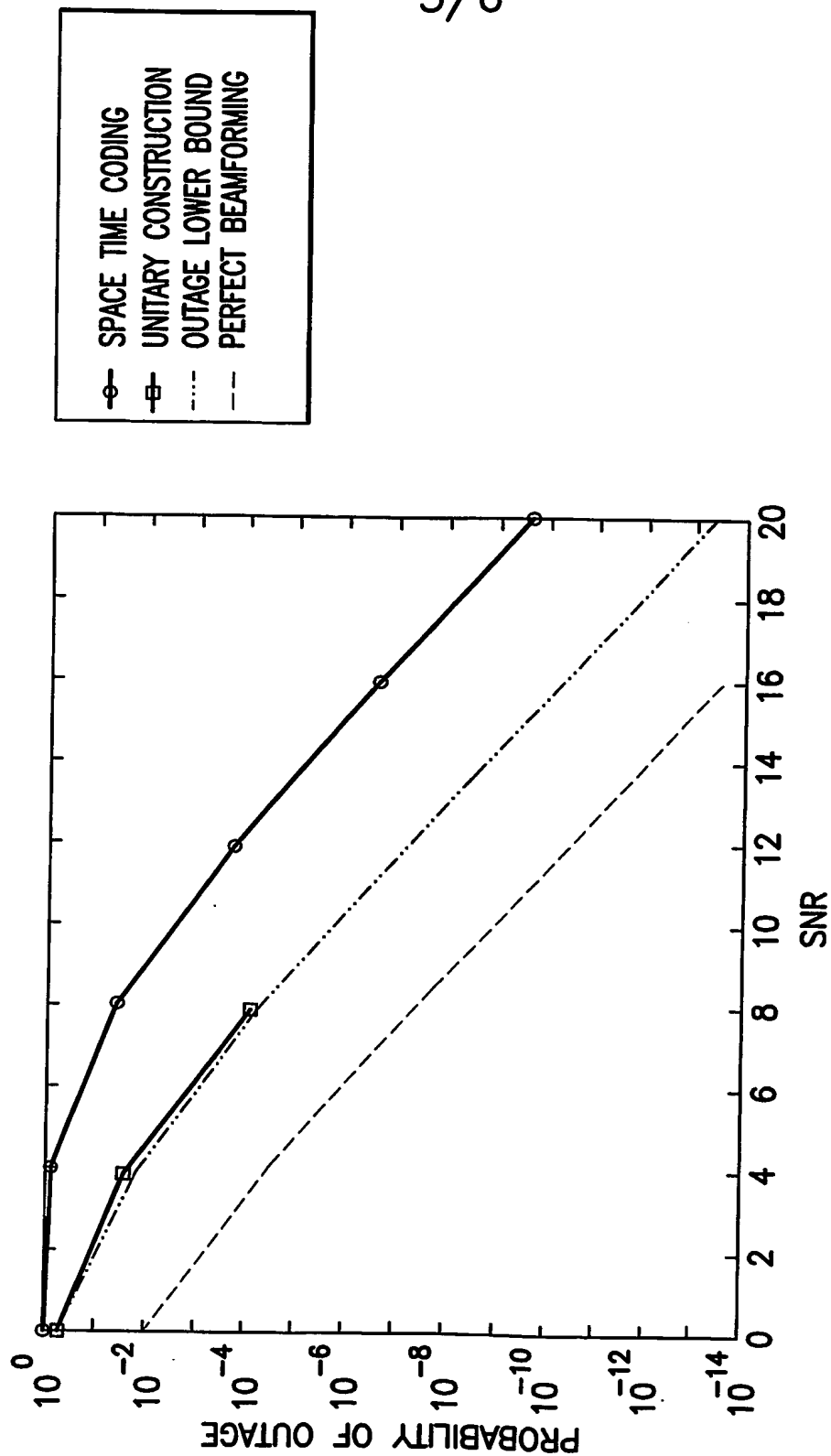


FIG.5

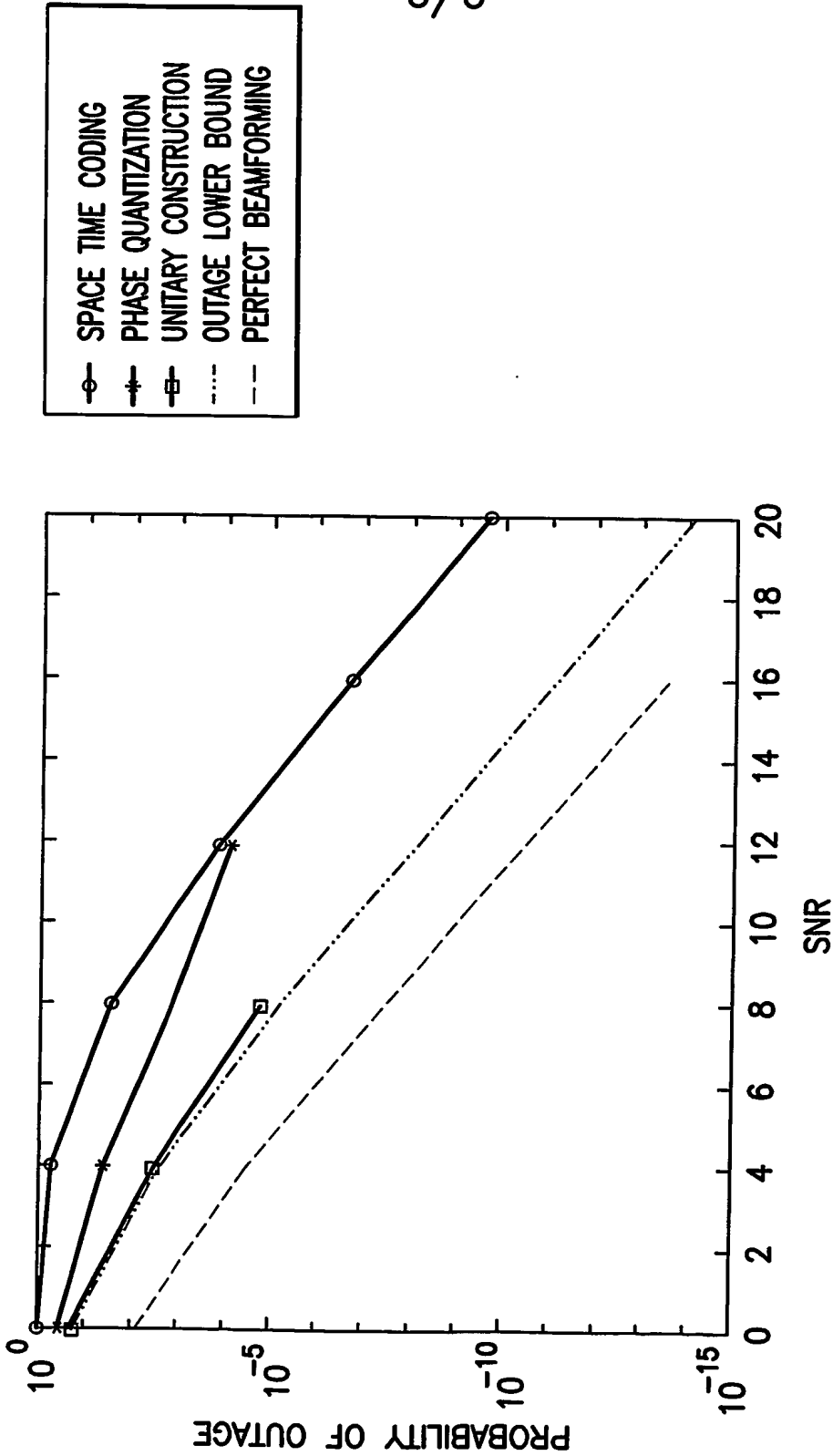


FIG.6